

Fig. 1A

Fig. 1B

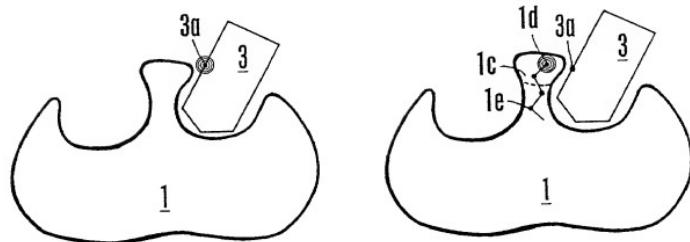


Fig. 2A

Fig. 2B

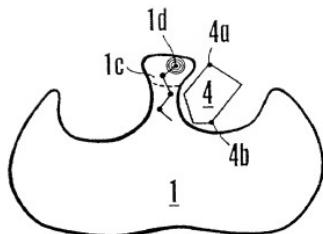


Fig. 3A

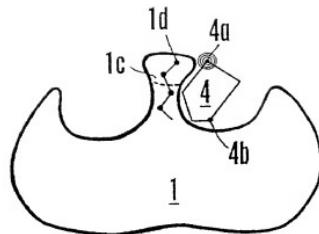


Fig. 3B

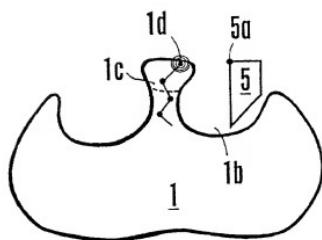


Fig. 3C

Fig. 4A

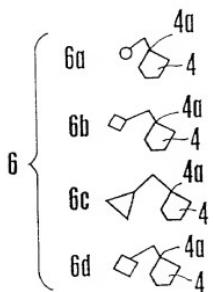
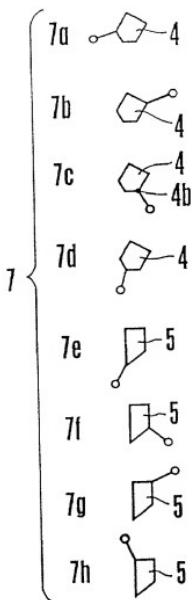
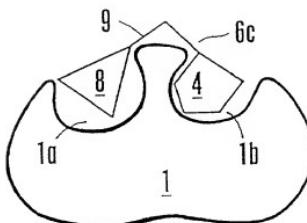


Fig. 4B



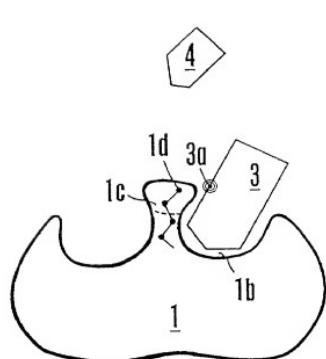


Fig. 5A

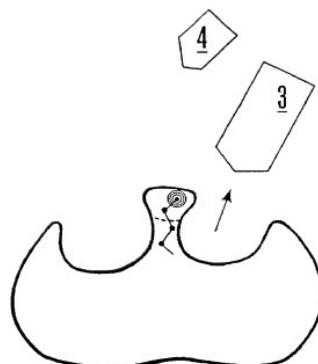


Fig. 5B

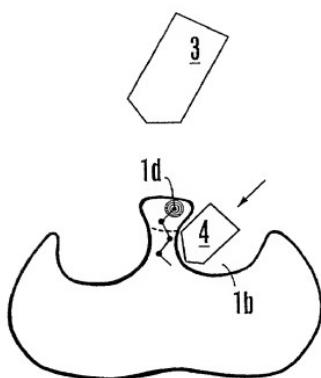


Fig. 5C

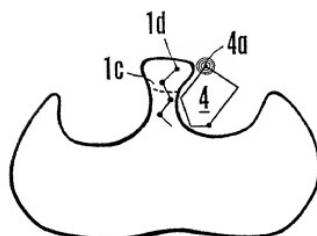


Fig. 5D

Fig. 6A

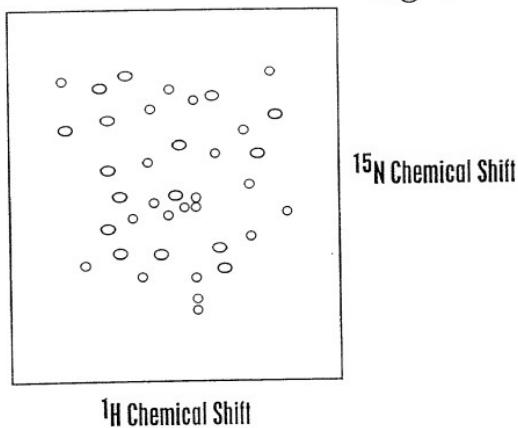
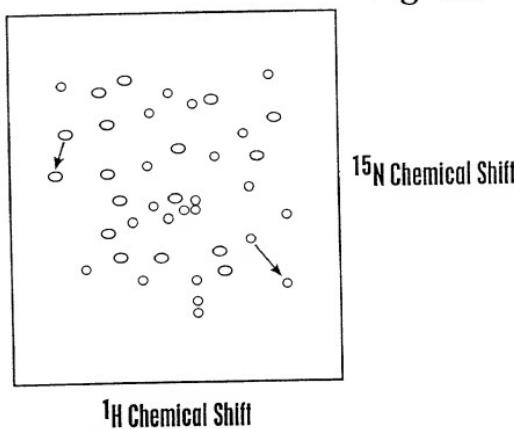


Fig. 6B



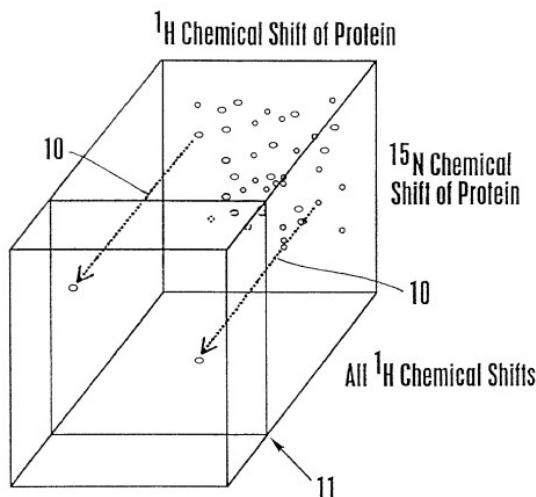


Fig. 7A

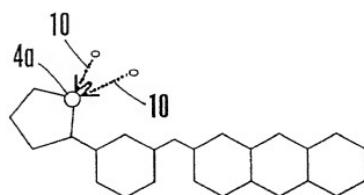


Fig. 7B

Figure 8a

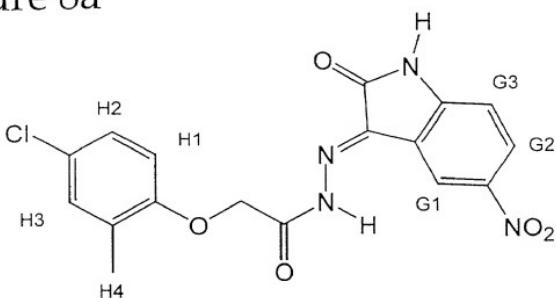


Figure 8b

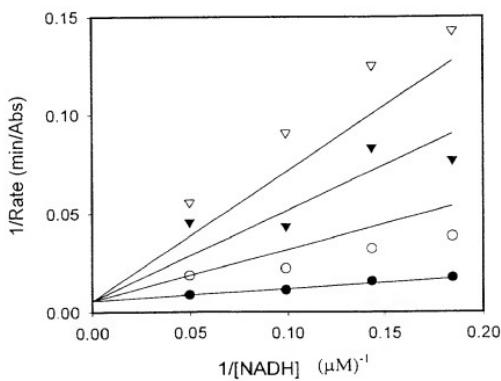


Figure 9a

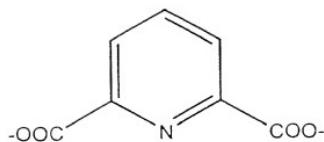


Figure 9b

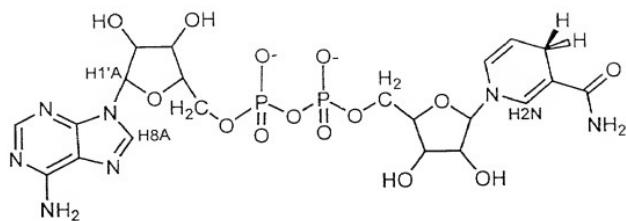


Figure 9c

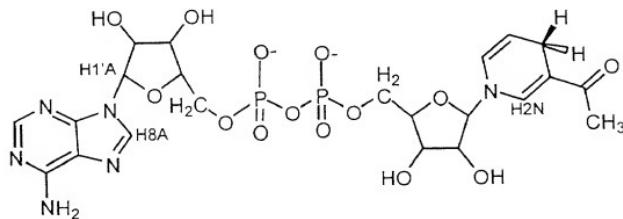


Figure 10a

Figure 10b

Figure 10c

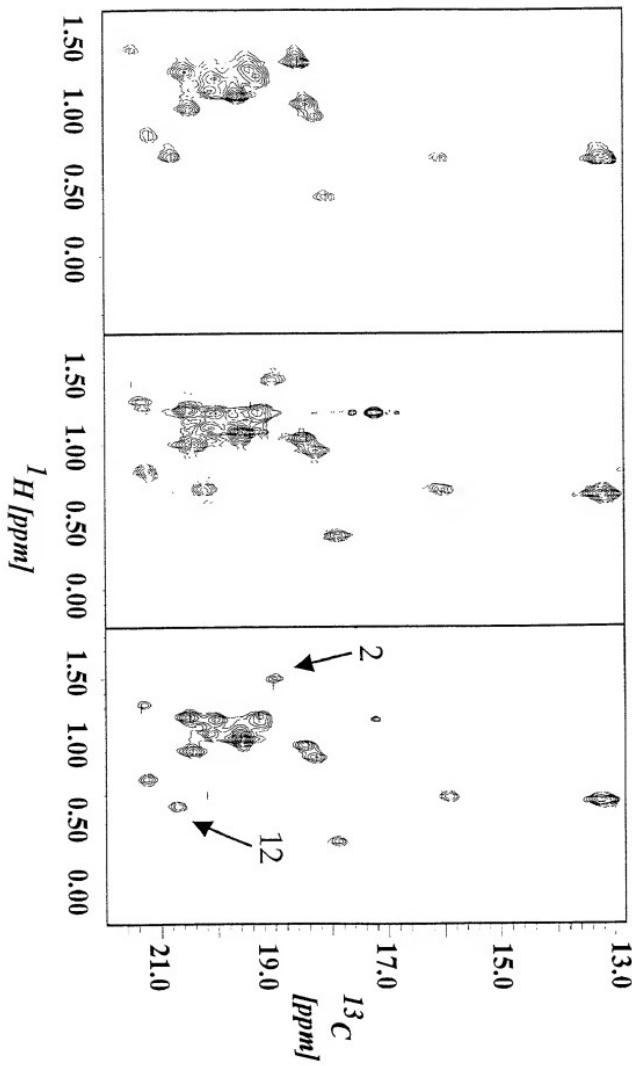


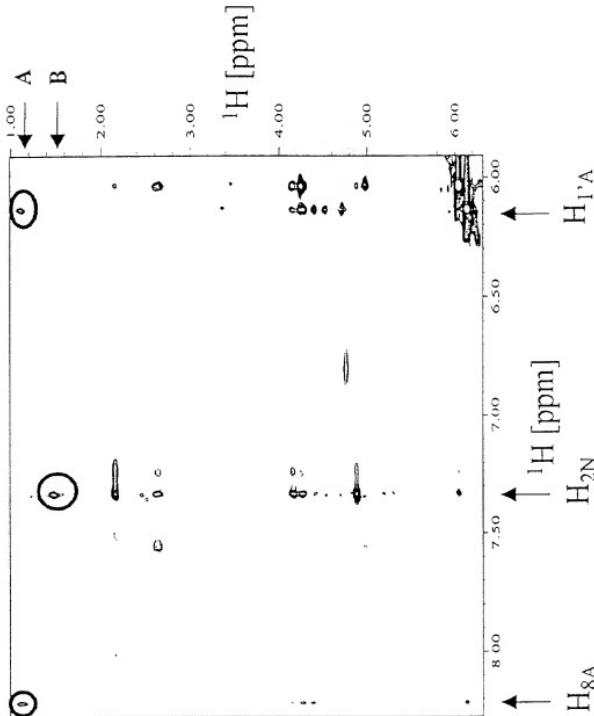
Figure 11

Free DHPR Thr δ (ppm)	DHPR + NADH		DHPR + AcNADH		$\Delta\delta_{\text{av}}^*$ AcNADH	$\Delta\delta_{\text{av}}^*$ AcNADH	dΔδ ^{**}	Peak #
	¹ H	¹³ C	¹ H	¹³ C				
1.41	21.50	1.31	21.46	1.31	21.50	0.0591	0.0589	0.0002
1.33	18.57	1.45	19.04	1.50	19.01	0.0910	0.1136	-0.0226
1.28	19.41	1.11	19.74	1.11	19.74	0.1090	0.1080	0.0010
1.26	20.54	1.24	20.50	1.23	20.51	0.0128	0.0181	-0.0053
1.23	19.29	1.23	19.29	1.23	19.27	0.0000	0.0024	-0.0024
1.21	20.01	1.22	20.05	1.22	20.02	0.0077	0.0060	0.0017
1.10	19.64	1.10	19.61	1.09	19.58	0.0037	0.0094	-0.0057
1.04	18.43	1.04	18.43	1.04	18.43	0.0000	0.0000	0.0000
1.01	20.44	1.01	20.44	1.00	20.44	0.0000	0.0059	-0.0059
0.96	18.28	0.96	18.28	0.96	18.28	0.0000	0.0000	0.0000
0.83	21.17	0.83	21.22	0.81	21.23	0.0061	0.0139	-0.0078
0.68	20.78	0.70	20.19	0.62	20.70	0.0729	0.0367	0.0362
0.67	16.05	0.70	16.07	0.68	15.89	0.0178	0.0203	-0.0025
0.40	18.08	0.36	17.89	0.37	17.89	0.0331	0.0291	0.0040

$$*\Delta\delta_{\text{av}} = \text{SQRT}\{[(\Delta\delta H^2/1.44) + (\Delta\delta C^2/33.7)]/2\}$$

$$**d\Delta\delta_{\text{av}} = \Delta\delta_{\text{av}}(\text{NADH}) - \Delta\delta_{\text{av}}(\text{AcNADH})$$

Figure 12



12 / 12

Figure 13

